IN THE CLAIMS:

Claims 1-10 (Canceled)

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11. (New) An illumination system in a liquid crystal projector, comprising:

a light source including an arc lamp emitting beams of light by arc light emission and a parabolic reflector for making total reflection of the beams from the arc lamp to direct the beams in one direction;

a first fly eye lens including a plurality of lens cells which are for imaging the light beams incident from the light source on various points different from one another by a region, wherein the first fly eye lens having a plurality of lens cells each with a center point shifted in order to render a central part of a length of the arc lamp correspond to the center points of the plurality of lens cells, respectively; and

a second fly eye lens refracting the beams from the first fly eye lens into parallel beams.

12. (New) The illumination system as claimed in claim 11, wherein the lens cells of the first fly eye lens having the center point thereof arranged to be shifted towards a central axis of the first fly eye lens.

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13. (New) The illumination system as claimed in claim 11, wherein the first fly eye lens is formed in such a manner that the central point of the lens cells arranged in a width direction of the central axis of the first fly eye lens are shifted.

14. (New) The illumination system as claimed in claim 11, wherein the first fly eye lens is formed in such a manner that the central point of the lens cells arranged in a height direction of the central axis of the first fly eye lens are shifted.

15. (New) The illumination system as claimed in claim 11, wherein the first fly eye lens is formed in such a manner that the central point of the lens cells arranged in a radial direction of the central axis of the first fly eye lens are shifted.

16. (New) An illumination system in a liquid crystal projector, comprising:

a first fly eye lens having first lens cells each with a first center point, and second lens cells each with a second center point disposed in the first fly eye lens, for receiving beams of lights from a light source in correspondence to the first center points of the first lens cells and the second center points of the second lens cells, respectively; and

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a second fly eye lens having a plurality of lens cells for refracting the beams received from the first fly eye lens into parallel beams, wherein the first center point of said each first lens cell is located at a point a distance away from a center axis of the first lens cell, and wherein the second center point of said each second lens cell is co-located at the center axis of the second lens cell.